



U.S. DEPARTMENT OF COMMERCE
PATENT AND TRADEMARK OFFICE

SUPPLEMENTAL INFORMATION
DISCLOSURE STATEMENT

ATTY. DOCKET NO.
7175-73841

SERIAL NO.
10/698,609

APPLICANT
John W. Koenig et al.

FILING DATE
October 31, 2003

GROUP
Unknown

U.S. PATENT DOCUMENTS

*Examiner Initial		Document Number	Date	Name	Class	Subclass	Filing Date if Appropriate
lc	AA	388,191	Aug. 21, 1888	Furl et al.	—	—	
	AB						
	AC						
	AD						
	AE						
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	AG						
	AH						
	AI						
	AJ						
	AK						

FOREIGN PATENT DOCUMENTS

		Document Number	Date	Country	Class	Subclass	Translation Yes No
	AL						
	AM						
	AN						
	AO						
	AP						

OTHER REFERENCES (Including Author, Title, Date, Pertinent Pages, Etc.)

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Examiner

Date Considered

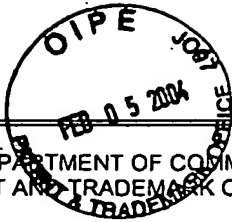
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U.S. PATENT DOCUMENTS

*Examiner Initial		Document Number	Date	Name	Class	Subclass	Filing Date if Appropriate
<i>[initials]</i>	AA	192,467	Jun. 26, 1877	Stevens			
<i>[initials]</i>	AB	357,088	Feb. 1, 1887	McGrath			
<i>[initials]</i>	AC	565,047	Aug. 4, 1896	Tardis			
<i>[initials]</i>	AD	754,140	Mar. 8, 1904	Hollis			
<i>[initials]</i>	AE	785,099	Mar. 21, 1905	Herbener			
<i>[initials]</i>	AF	824,488	Jun. 26, 1906	Koenig et al.			
<i>[initials]</i>	AG	1,107,918	Aug. 18, 1914	Dimmerling			
<i>[initials]</i>	AH	1,112,567	Oct. 6, 1914	Sekrit			
<i>[initials]</i>	AI	1,242,545	Oct. 9, 1917	Hanger			
<i>[initials]</i>	AJ	1,279,064	Sep. 17, 1918	Swingle			
<i>[initials]</i>	AK	1,299,366	Apr. 1, 1919	McLaren			

FOREIGN PATENT DOCUMENTS

		Document Number	Date	Country	Class	Subclass	Translation Yes No
<i>[initials]</i>	AL	DE 296 13 571 U1	Oct. 24, 1996	Germany			X(Abstract Only)
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OTHER REFERENCES (Including Author, Title, Date, Pertinent Pages, Etc.)

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	BA	1,321,905	Nov. 18, 1919	Gannon			
	BB	1,322,616	Nov. 25, 1919	Rece			
	BC	1,347,393	Jul. 20, 1920	McCreary			
	BD	1,568,419	Jan. 5, 1926	Rosborough			
	BE	1,594,256	Jul. 27, 1926	Greene			
	BF	1,618,447	Feb. 22, 1927	Kusterle			
	BG	1,649,754	Nov. 15, 1927	Summerson			
	BH	1,847,916	Mar. 1, 1932	Beaman			
	BI	2,253,824	Aug. 26, 1941	Townsend et al.			
	BJ	2,392,948	Nov. 16, 1946	Reeves			
	BK	2,442,048	May 25, 1948	Kroll et al.			

FOREIGN PATENT DOCUMENTS

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OTHER REFERENCES (Including Author, Title, Date, Pertinent Pages, Etc.)

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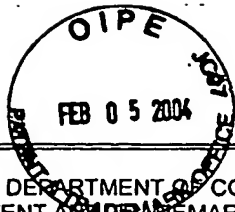
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CA		2,555,032	May 29, 1951	Hall			
CB		2,583,858	Jan. 29, 1952	Kostolecki			
CC		2,590,337	Mar. 25, 1952	McNabb et al.			
CD		2,592,166	Apr. 8, 1952	McLean et al.			
CE		2,673,989	Apr. 6, 1954	Veitch			
CF		2,689,960	Sep. 28, 1954	Lax			
CG		2,827,641	Mar. 25, 1958	Reichert et al.			
CH		2,870,460	Jan. 27, 1959	Sanford			
CI		2,913,737	Nov. 24, 1959	McNabb			
CJ		3,026,543	Mar. 27, 1962	McPhaden			
CK		3,032,154	May 1, 1962	McNabb			

FOREIGN PATENT DOCUMENTS

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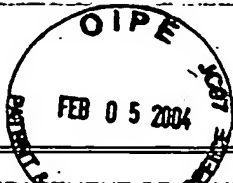
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DA		3,051,270	Aug. 28, 1962	Burzlauff			
DB		3,055,042	Sep. 25, 1962	Burzlauff			
DC		3,063,066	Nov. 13, 1962	Peck et al.			
DD		3,069,700	Dec. 25, 1962	Berlin			
DE		3,093,838	Jun. 18, 1963	Beasley			
DF		3,111,332	Nov. 19, 1963	Birch			
DG		3,305,876	Feb. 28, 1967	Hutt			
DH		3,335,713	Aug. 15, 1967	Grosholz et al.			
DI		3,336,608	Aug. 22, 1967	Lerner			
DJ		3,344,442	Oct. 3, 1967	Andrews et al.			
DK		3,529,590	Sep. 22, 1970	Grosholz			

FOREIGN PATENT DOCUMENTS

		Document Number	Date	Country	Class	Subclass	Translation Yes No
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OTHER REFERENCES (Including Author, Title, Date, Pertinent Pages, Etc.)

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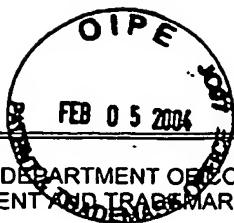
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U.S. PATENT DOCUMENTS

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<i>EA</i>	EA	3,634,894	Jan. 18, 1972	Harbison			
<i>EB</i>	EB	3,638,247	Feb. 1, 1972	Kennedy			
<i>EC</i>	EC	3,648,307	Mar. 14, 1972	Meade			
<i>ED</i>	ED	3,654,645	Apr. 11, 1972	Lee			
<i>EE</i>	EE	3,763,507	Oct. 9, 1973	Propst			
<i>EF</i>	EF	3,780,387	Dec. 25, 1973	Propst			
<i>EG</i>	EG	3,797,053	Mar. 19, 1974	Mamo			
<i>EH</i>	EH	3,800,341	Apr. 2, 1974	Davanzo			
<i>EI</i>	EI	3,833,947	Sep. 10, 1974	Sorensen			
<i>EJ</i>	EJ	3,848,278	Nov. 19, 1974	Propst			
<i>EK</i>	EK	3,911,525	Oct. 14, 1975	Haussels			

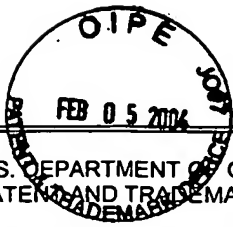
FOREIGN PATENT DOCUMENTS

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OTHER REFERENCES (Including Author, Title, Date, Pertinent Pages, Etc.)

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	EW	
	EX	
	EY	
	EZ	

Examiner <i>[Signature]</i>	Date Considered <u>11/22/84</u>
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*Examiner Initial		Document Number	Date	Name	Class	Subclass	Filing Date if Appropriate
	FA	3,921,233	Nov. 25, 1975	Mann			
	FB	3,971,079	Jul. 27, 1976	Fleischer			
	FC	4,017,917	Apr. 19, 1977	Brown			
	FD	4,043,349	Aug. 23, 1977	Gays et al.			
	FE	4,139,917	Feb. 20, 1979	Fenwick			
	FF	4,285,079	Aug. 25, 1981	Hillman			
	FG	4,336,621	Jun. 29, 1982	Schwartz et al.			
	FH	4,359,792	Nov. 23, 1982	Dale			
	FI	4,403,357	Sep. 13, 1983	Degen			
	FJ	4,525,883	Jul. 2, 1985	Necowitz			
	FK	4,633,539	Jan. 6, 1987	Morrison			

FOREIGN PATENT DOCUMENTS

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OTHER REFERENCES (Including Author, Title, Date, Pertinent Pages, Etc.)

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U.S. PATENT DOCUMENTS

*Examiner Initial		Document Number	Date	Name	Class	Subclass	Filing Date if Appropriate
	GA	4,670,923	Jun. 9, 1987	Gabriel et al.			
	GB	4,768,242	Sep. 6, 1988	Loturco			
	GC	4,787,104	Nov. 29, 1988	Grantham			
	GD	4,882,799	Nov. 28, 1989	Shapiro			
	GE	4,937,902	Jul. 3, 1990	Ceike Shapiro			
	GF	4,944,055	Jul. 31, 1990	Shainfeld			
	GG	4,979,246	Dec. 25, 1990	Godin et al.			
	GH	4,998,320	Mar. 12, 1991	Lange			
	GI	5,014,391	May 14, 1991	Schulte			
	GJ	5,067,183	Nov. 26, 1991	Urquiola			
	GK	5,115,539	May 26, 1992	Lee			

FOREIGN PATENT DOCUMENTS

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	GM						
	GN						
	GO						
	GP						

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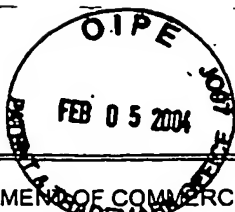
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U.S. PATENT DOCUMENTS

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	HA	5,149,036	Sep. 22, 1992	Sheehan			
	HB	5,242,375	Sep. 7, 1993	McDonough			
	HC	5,291,623	Mar. 8, 1994	Artz			
	HD	5,303,450	Apr. 19, 1994	Lange			
	HE	5,329,657	Jul. 19, 1994	Bartley et al.			
	HF	5,330,415	Jul. 19, 1984	Storti et al.			
	HG	5,377,372	Jan. 3, 1995	Rudolf et al.			
	HH	5,379,469	Jan. 10, 1995	Millis et al.			
	HI	5,453,077	Sep. 26, 1995	Donnelly et al.			
	HJ	5,535,457	Jul. 16, 1995	Welsh et al.			
	HK	5,537,701	Jul. 23, 1996	Elliott			

FOREIGN PATENT DOCUMENTS

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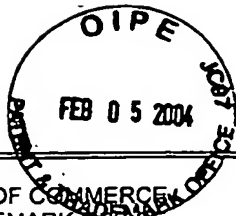
OTHER REFERENCES (Including Author, Title, Date, Pertinent Pages, Etc.)

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IA		5,553,337	Sep. 10, 1996	Lin			
IB		5,579,550	Dec. 3, 1996	Bathrick et al.			
IC		5,604,941	Feb. 25, 1997	Roman			
ID		5,634,796	Jun. 3, 1997	Dollar			
IE		5,742,959	Apr. 28, 1998	Froelich			
IF		5,802,634	Sep. 8, 1998	Onishi et al.			
IG		5,862,548	Jan. 26, 1999	Gerhart			
IH		5,882,208	Mar. 16, 1999	Fulop			
II		5,889,469	May 4, 1999	Pinto et al.			
IJ		388,191	Aug. 21, 1888	Furl et al.			
IK		5,230,523	Jul. 27, 1993	Wilhelm			

FOREIGN PATENT DOCUMENTS

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OTHER REFERENCES (Including Author, Title, Date, Pertinent Pages, Etc.)

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JL	JA	3,686,696	Aug. 29, 1972	Lanigan			
JM	JB	4,768,242	Sep. 6, 1988	LoTurco			
JN	JC	6,089,654	Jul. 18, 2000	Burstein			
JO	JD	6,339,855	Jan. 22, 2002	Socha et al.			
JP	JE	3,921,233	Nov. 25, 1975	Mann			
	JF	4,854,913	Aug. 8, 1989	Kelley et al.			
	JG	2,733,455	Feb. 7, 1956	Stuart et al.			
	JH	2,402,286	Jun. 18, 1946	Jeary			
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FOREIGN PATENT DOCUMENTS

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